

Title (en)

Belt reel for a vehicle safety restraint arrangement and method for limiting the retraction speed of a belt during retraction onto a belt reel

Title (de)

Riemenspule für ein Fahrzeugsicherheitshalteanordnung und Verfahren zum Begrenzen der Rückzuggeschwindigkeit eines Riemens bei dem Rückziehen auf eine Riemenspule

Title (fr)

Enrouleur de ceinture pour système de retenue de sécurité de véhicule et procédé de limitation de la vitesse de rétraction d'une courroie lors de la rétraction sur un enrouleur de ceinture

Publication

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Application

**EP 12175292 A 20120706**

Priority

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Abstract (en)

[origin: EP2682313A1] The present invention relates to a belt reel (20) for a vehicle safety restraint arrangement. The belt reel (20) comprises a retractable and extractable belt (14), a retraction mechanism adapted to retract the belt (14) from an extracted position, a belt retraction brake (30) adapted to limit the retraction speed of the belt (14) during retraction of the belt (14) by imparting a braking force to the belt reel (20) during retraction of the belt (14). The braking force of the belt retraction brake (30) is imparted to the belt reel (20) via inductance. The present invention also relates to a method for limiting the retraction speed arranged on a belt reel. The present invention provides for a belt reel which reduces the risk for damage to the interior panel, lacquer or the vehicle body and/or door, and the belt itself.

IPC 8 full level

**B60R 22/34** (2006.01)

CPC (source: EP US)

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Cited by

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